Associated Press Staff Writer. Henry Agard Wallace says the White House should not saddle the Vice President with executive chores again.

During the days Wallace was called "the busiest V. P. in history" he presided over the Senate, was chairman of the old Supply, Priorities and Allocations Board, the Economic Defense Board, and the Board of Economic Warfare. . . . And performed what he calls "deuces wild" tasks for President Roose-

Not that he is unhappy about it. He looks back, saving:

"I think my services were useful at times. There was an emergency. It caught the President without a ready executive setup in his own shop. Someone had to spring. I was available.

"It's just that I found out no man can handle day-by-day executive stuff and be Vice President, too."

That from one who made the vice presidency live and breathe. . . . "And grunt," Wallace says.

The idea of this interview was to get his opinion on how much weight Vice President should throw around.

#### Should Mind Own Business

"I think," he said, "that a Vice President should mind his own business unless drafted in an emergency. He has more time on his hands than any one else. Certainly he'll never be another throttlebottom. He will be the President's deuces wild, a substitute to send abroad when neither the President nor the Secretary of State has time for international conventions.

"This, of course, depends on his ability, interest and working relations with the White House."

Wallace says that in normal times the cabinet and the Budget Bureau should shoulder all domestic responsibilities of a purely executive nature, leaving the Vice President free to fight for administration policies in Congress and on occasion in world parliaments.

Just as he was the first V. P. to hold extra-curricular executive jobs, he was the first to make so many personal appearances here and abroad. He represented Mr. Roosevelt at the inauguration of Mexican President Camacho and visited around South America as an ambassador plenipotentiary.

#### Tasks Were Numerous

He talked winning the war and postwar politics and economics on a presidential mission to Soviet Asia and to China. He learned Spanish and enough Russian to make a speech in Moscow. He tackled Chinese "but couldn't make

He made more domestic addresses for the administration than any other V. P. ever did, a great number of them urging a fourth term for Mr. Roosevelt after the President agreed to nomination of Harry S. Truman for Wallace's

Aside from Wallace . . . and certainly not approaching his record . . . history holds only three other outstanding close associations between the White House and the Vice President.

Jackson relied on Van Buren, largely in a social way. He insisted the party nominate Van Buren as his successor

By Ovid A. Martin,

Associated Press Staff Writer.

whether agriculture after the war may

not be like the fabled boy who had a

His whole village was choked with

Agriculture's porridge mill is tech-

porridge mill which wouldn't stop.

of producing food and fiber crops.

Thoughtful farm leaders wonder



Vice President Harry S. Truman (at right) and Henry A. Wallace, former Vice President.

to defeat the ambitions of Calhoun, social, economic and political innova-

whom he despised. Polk gave Dallas some of the Pennsylvania patronage He became the most articulate, conand consulted him on his message on sistent and effective champion of the the Oregon boundary question and New Deal-philosopher of the "greatest many other problems. McKinley inhappiness for the greatest number" and sisted Hobart live near the White House "the age of the common man." He so he would be handy to keep him in wanted to "humanize" capital. touch with the Senate and do all sorts Wallace, whose mind never could be

> pigeonholed, has no congressional cronies. None knows what he intends to do now . . . and he will not say. He told me he did not plan any trips abroad . . . so that may let him out as a prospective roving Ambassador for the White House.

the abounding faith Wallace had in He said he did not plan any public appearances here . . . which may let With the exception of "Cactus Jack," him out as a prospective presidential who couldn't even be kicked into a candidate in 1948. dress suit. Wallace was the Senate's

#### It's Anybody's Guess

He said, "You can use your own judgment" in guessing whether "I shall be retained in a Government capacity." Some had thought he would become Secretary of Commerce or Labor. Some think Mr. Roosevelt has a fine surprise up his sleeve for this man who went all out for him in a big way when the going was tough. Some think he has been ditched as a political liability. Wallace says only that he plans to write a new book on Soviet Asia. He is a great believer in the postwar co-prosperity of America and Soviet Asia. He

and speeches he has written on this "age of the common man" since coming to Washington.

#### "We Shall Not Fail"

He savs:

"If we put our trust in the common sense of the common man \* \* \* in the great adventure of making political, economic and social democracy a prac-

tical reality, we shall not fail." He says he is not "worried about the future."

He is more serious and settled now than when I first met him 15 years ago. He still smiles, is shy and searches his own mind in what newsmen have learned is his way of not answering a question until he is dead sure newsprint will do him justice.

He had a bad experience once. He was quoted as saying every child in the world should have a quart of milk each day. Critics said he wanted America to lease-lend it.

He says what he meant was: "There will be no more wars when every nation is economically able to provide its own children with milk daily . . . when no nation fights another for possession of its riches."

Wallace seems to have something planned on his own hook. He has become a clock watcher and a frowner. He seems impatient to get going on whatever job he has cut out for himself. He says:

"There are millions of folks in this country who feel the way I do."



THE SUNDAY STAR, Washington, D. C. SUNDAY, JANUARY 21, 1945.

It takes split-second timing, co-ordination between units and quick plotting and computing to lay down a "serenade."

# 'Time on Target' Is Theme of Artillery 'Serenade,' A Symphony of Death Scored to Annihilate the Enemy

GROUP-A serenade of destruction, a symphony of death; Jerry knows and fears them well. In full orchestration they spell annihilation.

Serenade or symphony, they are one and the same. To the artilleryman they are TOT-Time on Target. Simply, when Jerry gets a serenade he gets plastered with tons of artillery shells that rain down on his position at exactly the

A serenade is NOT a barrage. Its effectiveness depends upon surprise. The enemy does not know it is coming. When it comes it is usually too late to do anything about it-too late even to duck.

Is the doughboy being held up by an enemy 88? Call the artillery. Is Jerry grouping in a town or woods to counterattack? The artillery to the rescue with

Here is how one corps in Germany handles the split-second timing, coordination between units, and quick plotting and computing that are necessary to lay down a serenade.

#### Here's How It's Done

Maj. William Fenton, Hancock Point Me., of the 19th Corps artillery of Lt. Gen. William H. Simpson's 9th Army, gives an example:

"The other day, near Siersdorf, Germany, an enemy battery was firing on us constantly. We adjusted it in-that is, determined its position and rangethrough one of our aerial observers flying a Cub plane. Immediately we sent over a couple of volleys-24 rounds -from one battalion of 105-mm. How-

"Well, that shot up the Jerry battery for a little while, but it did not really take care of him. So we decided to plaster him with a TOT. We massed the fires of 13 batteries-156 guns, including 105-mm., 155-mm., 8-inch, and 240-mm. Howitzers, 155-mm. guns (Long Toms) and 8-inch guns.

"Altogether and at the same instant we threw 13 tons of projectiles on him. We never heard from him again."

The major explained that the TOT principal oftener is employed on a smaller scale.

## Placing the TOT

"We try to place a TOT on every enemy battery we pick up," he went on. "Ordinarily we adjust our fire on the enemy with two guns to get his range and location accurately. The serenade or TOT may come an hour or two later. You see, when we adjust on the enemy it frightens them into their holes. But after a while Jerry comes out and then we lay a serenade on him -two, four or six batteries, depending upon the ammunition supply."

In the fighting in Germany, where almost every town and village is defended bitterly, the time on target principal is employed almost constantly. Examples were in the taking of Shersdorf. Schleiden and Hongen. Twelve to 15 battalions of both corps and division artillery concentrated their fires

#### on areas within the towns. Tons of Projectiles

The complex firing data that the men at the guns have before pulling the lanyards that send the tons of pro-

sition at the same time is computed by the ordinary GI Joe.

Working under the supervision of a non-commissioned officer, he must compute the data in a few seconds and accurately. If one battalion fires before another the vital element of surprise

Working in a battalion fire direction center-the battalion command postthe computer uses a "slipstick." officially

known as a graphic firing table.

or radios the enemy location in a code or gives the map co-ordinates. At the fire direction center the gunnery officer determines the method and the amount

He sings out the information together with the map location of the enemy

## Getting the Range

tical control operators-two more enlisted men-gather data from their plotangle of site-for each battery. Co-ordinated Fire At the command of Maj. Hebbler each battery of four guns opens up. Fortyfive seconds after the computers had received their data the guns are fired.

range in yards and amount of shift or

deflection necessary to reach the enemy

position. The vertical control operator

determines the "angle of site," or how

high the barrel of the gun must be ele-

vated or depressed so that the projec-

tile will land on Jerry and not in front

That information is given to the com-

puters. They quickly convert the data

into the necessary firing order. But

that is not all. They must make cor-

rections for the direction and velocity

of the wind, the temperature of the

powder, the temperature of the air, and

They do it not in a matter of minutes,

but in seconds. Remember, this is the

fire direction center of just one bat-

talion. In serenade firing the fire direc-

tion centers of each battalion partici-

pating must co-ordinate their fires so

that they all land on Jerry at the same

time. The range and caliber of the

various battalions' guns must be con-

sidered, as well as the time of flight of

Let's visit the fire direction center of

a specific unit. Down in the cellar of

what remains of a home in a devastated

German town is the command post of

the 978th Field Artillery Battalion. A

Michigan National Guard outfit, it is

commanded by Lt. Col. James C. Wood

of 225 North Horton street, Jackson,

Mich. It has been in the line contin-

ually since it hit the Normandy beach on

June 25. Its three batteries of 12 Long

Toms-155-mm. guns-have spewed well

over 33,000 rounds at the enemy, more

than 5,000,000 pounds of death and de-

The officers and men on duty in the

FDC in the midst of battle are listen-

ing to a captured German radio tuned

in softly to the forces program of the

BBC. The telephone jangles and Maj.

James A. Hebbler, Huntingburg, Ind.,

the gunnery officer, picks up the instru-

the battalion will fire with other units

Maj. Hebbler announces the map co-

Sergt. Leslie Kludt, Route 9, Kala-

mazoo, Mich., is the horizontal control

operator. Poring over his map he quick-

ly reads the range and deflection of each

of the three batteries. Sergt. Harper

Dickson, 30 Plummer avenue, Lowell,

Mass., the vertical control operator, de-

termines the difference in altitude- or

in a TOT on a Jerry strong point.

ment. It is a call for a fire mission and

These GIs make all this look simple.

of him or behind him.

density of the air.

the projectile.

struction.

ordinates.

Fire Direction Center

The battalion's fire is co-ordinated on a corps level for the big serenades. The artillery fire direction center of 19th Corps was located in the basement of a German schoolhouse.

There Lt. Col. Paul C. Bell, 2245 N.W. 20th street, Oklahoma City, Okla., received fire missions and allocated them according to importance and range. Before him was a huge map—the firing chart-on which the position of the guns of each battalion was plotted. A glance at the map, after a request for a fire mission, showed which guns were within range and which guns could be traversed in their dug-in positions to bear upon the target. Another map showed the location of enemy shell hits. plotted with date and time so that the enemy battery situation could be built up with aerial reconnaissance by the counter-battery officer, Mai. William

#### Hodo, of Alexander City, Ala. Aerial Reconnaissance

Corps artillery relies greatly on aerial reconnaissance by especially trained observers in P-51s, Mustangs. The much slower Cubs would not last long over the German lines.

Corps artillery has one more subdivision unit in its chain of commandthe group. Col. Lloyd M. Hanna, 315 Osage street, Leavenworth, Kans., is the commanding officer of the 119th Field Artillery Group, made up of four battalions. Through switchboard connections and radio, Maj. Harry K. Thomson, Cotter, Ark., group gunnery officer receives a complete picture of the situation from corps, division artillery, infantry regiments, forward and aerial observers, and from counter-battery observation posts. The information is plotted on maps in the group fire direc--A. P. Wirephote. and battalion levels.





An American 90-millimeter gun under control of a direction finder (shown in the bottom picture.)

## jectiles raining down on an enemy po- ground, calls for fire he either telephones

Immediately the horizontal and ver-



Artillery fire caused this damage to Gressenich, Germany. American troops and a tank are tion center, the same as on the corps shown moving through its wreckage-strewn street.

The next 10 years may stand out as an epic of farm mechanization. Warscarce manpower has prodded the inventor to develop new farm tools and improve old ones. Shortage of materials has prevented many of these inventions from being translated into actual machinery, but the makers can be expected to make up for lost time as soon as the war ends.

The Department of Agriculture estimates that farmers would spend more than \$1,000,000,000 for new equipment in 1945 if they could get it. Never was the demand for farm machinery so great. Mainly the farmer can expect refine-

ments on present implements and on that production-booming source of motive power, the farm tractor.

## New Implements Coming

The new implements will be easier for one man to handle. They will weigh less and be stronger, of new war-created materials. They will save labor and power. Many new wrinkles are being kept under wraps by implement companies eager to get the jump on their competitors when production

Some now are in limited use, corn pickers, cotton pickers, combines (small units which harvest and thresh wheat, or oats, barley, rye, soybeans or grass seed in one operation), sugar beet and cane harvesters, mechanical milkers, spreaders which fertilize better, equipment for curing hav in lofts and stacks to preserve food values, and a new hay harvester which rakes and bales in a

single operation. New machines are likely to be exploited which will simultaneously till, fertilize and seed the soil with certain crops.

## Better Irrigation

Portable sprinkling systems may be expected, to supplement rainfall and surface irrigation and to water rough land where gravity can't handle the job. Technological studies made by the Department of Agriculture during the

war enable more efficient production, use and marketing of farm products. Here are a few examples: potato meal compares favorably with

corn as feed for steers. This should encourage a bigger beef cattle business in sections of the South. 2. Development of ways to raise calves meant it. Maybe their feet hurt and they

production) and in protecting chickens week's rest.

Will Postwar Farmer Flounder in Plenty? from the deadly disease cecal coccidiosis. farmers of the world used wooden plows,

Garner, in the first two Roosevelt

administrations, championed a lot of

New Deal laws and kept the White

House advised of Congress' temper . . .

But he didn't carry the cudgel with

most infrequent gavel-pounder and

presidential substitute in Capital so-

. The traditional Vice President had a

reception room, a telephone and secre-

tary to answer it. Wallace had tele-

He had conferences from daylight

until long after dark with men trying

either to cast America in a new mold

or trying to yell down every Roosevelt

phones and secretaries and stenog-

raphers busy all over the place.

what F. D. R. wanted to do.

He was too busy.

Busy Day and Night

to wheat stored in farm bins. portant crop plants.

labor-saving cultural practices for grow-7. Discovery that stimulation with hormones (gland secretions) can even out the seasonal milk production of a nology-that is, new and better ways

because of the past.

5. Release of 35 new varieties of im-

When this country was young, the

herd of milch goats. New Day Dawning

6. Development of improved and

4. Cheap prevention of insect damage did nearly all their planting and sowing and reaping by hand. In those days it took the surplus production of 19 farmers to feed one person living in the city. In recent years, 19 persons working on farms have produced enough to feed ers of rice, sugar beets and beet seeds. nearly 70 persons in urban areas.

Agriculture is far from using fully the efficient methods and tools at its dis-

posal, yet here in America it produced 35 per cent more than before the war. What, ask farm leaders, will happen

when upwards of 2,000,000 farmers now Farm leaders worry about the future in the armed services and in war plants seek to return to the land, and when better tools become available?

# Will Women Keep Jobs?

Associated Press Staff Writer. Irene Young-wife, mother and aircraft worker-has her own answers to America's biggest woman question: Do women factory workers want to keep their jobs or go back home after the war? Her answers contradict a lot of surveys and questionnaires.

"Most women factory workers want

to keep their jobs, I believe; they don't want to go back to the kitchen,"-so says this aircraft assembly worker in the Rouge River plant of the Ford Motor Co., Detroit, an active member of the Union of Automobile Workers (CIO). "The UAW recently sent postcard questionnaires to a representative sampling of approximately 350,000 women

members, asking them whether they

would continue to work outside their

homes after the war if a job were avail-

able. One hundred per cent of the widows, 98 per cent of the single women and 68.7 per cent of the married women

They Want to Stay "I'm very active in the union and I've talked to hundreds of women on this question. The majority tell me the same thing-they want to keep on working if a job is available. Of course, if you break it down and ask them if they want to take a job from a soldier, that's dif-

Miss Young (Mrs. Tony Marinovich) made her comment during a visit to New York, where she addressed the woman's conference of the National Council of American Soviet Friendship. Asked how she reconciled her comment with the surveys that reported a large percentage of women saying they want to go back home after the war, Miss Young said

with a little grin: 'Well. I think a lot of women thought 1. Discovery that dehydrated sweet it was proper to say that. Maybe they thought it wouldn't be nice to say they wanted to keep their jobs when there was all this talk about jobs for soldiers. Besides a lot of them thought they on less milk, leaving more for human were tired. We all have days like that. I know some days if you asked me, I 3. Demonstration that various sulfa would say I wanted to go back home drugs show promise in controling mas- and stay there. But what many of titis (which causes severe loss in milk those women really wanted was two wouldn't know them. They know what

Women are not in the shop simply for patriotic reasons. They talk patriotism -and they are certainly glad that their work helps patriotically. But they work for the money and for the independence it gives. If they are working only for patriotism why do they insist on

top money? "I don't like to get up early and come home late and then cook and clean and scrub. But I do it for the things I wouldn't be able to get other-

Dark-eyed, fresh-skinned and attractive, she is the youthful-looking mother of a 21-year-old girl in the WAVES and a 17-year-old son. She says she has

always worked hard. Born in Marion, Ill., the daughter of a miner, she quit school in the seventh grade to do housework. At 17 she married young Marinovich, then a coal miner and now employed in the UAW's educational department. When her son was still an infant she went to work in a factory. For the last 15 years she has held a triple job—as factory worker,

## mother and housewife.

Has Own Home "Because I have worked we have been able to have a home such as I never could have had otherwise," she said with shining eyes. "It's a six-room brick Colonial house, furnished the way

I wanted to furnish a house for years. "My factory work has really helped me do my housework faster. In the factory by time studies we learn how long it takes to do each operation. You can apply the same thing to house-

"They talk about how tired women get who work in industry and keep house, too. But you'd be surprised how many women are bored at home. Their outlook on life is so limited. Once they get in the plant, mingling with other women and talking with them on a lot of different subjects, they just don't want to break it up. At first some of them can't hold a conversation for 10 minutes. But after they have been working awhile and mingling with other women they brighten up till you it has done for them, too."